

Clone designation	Strain Code	Origin	DNA ext.	18S(Genbank #)	ITS	RBC L	COX 1		
Bracteacoccus	BCP-CNP2-VF28	Needles District, UT	+	+					
Bracteacoccus	BCP-EM3-VF25	Mojave Desert, CA	+	+		+			
Bracteacoccus	BCP-NB1-VF15	Natural Bridges, UT	+						
Bracteacoccus	BCP-NB2-VF30	Natural Bridges, UT	+						
Bracteacoccus	BCP-NB2-VF9	Natural Bridges, UT	+	+		+			
Bracteacoccus aeriis	BCP-CNP2-VF47	Needles District, UT							
Bracteacoccus aeriis Bischoff et Bold	UTEX 1250	Austin, TX	+	U63101	+	+			
Bracteacoccus cinnabarinus (Kol et Chodat) Starr 1955	UTEX 56	Switzerland	+	+	+	+			
Bracteacoccus cohaerens Bischoff et Bold	UTEX 1272	Dripping Springs, TX	+	+	+	+			
Bracteacoccus engadinensis (Kol et Chodat) Starr 1955	UTEX 57	Switzerland	+	+	+	+			
Bracteacoccus giganteus Bischoff et Bold	UTEX 1251	Enchanted Rock, TX	+	U63099	+	+			
Bracteacoccus grandis	BCP-SEV1-VF3	Sevilleta LTER, NM	+						
Bracteacoccus grandis	BCP-SEV1-VF5	Sevilleta LTER, NM	+						
Bracteacoccus grandis	BCP-ZNP2-VF33	Zion Nat. Park, UT	dead						
Bracteacoccus grandis Bischoff et Bold	UTEX 1246	Williamson Co., TX	+	U63100	+	+			
Bracteacoccus gypsicola	BCP-EM3-VF7	Mojave Desert, CA	+	+		+			
Bracteacoccus medionucleatus	BCP-CNP2-VF25	Needles District, UT	+	AF516677	+				
Bracteacoccus medionucleatus	BCP-CNP2-VF29	Needles District, UT	+	+	+				
Bracteacoccus medionucleatus Bischoff et Bold	UTEX 1244	Taylor, TX	+	U63098	+	+			
Bracteacoccus minor (Chodat) Petrova	UTEX 66	N/A from culture collection	+	U63097	+	+			
Bracteacoccus pseudominor	BCP-CM1-VF2	Clark Mountains, CA	+	+					
Bracteacoccus pseudominor	BCP-CNP2-VF6A	Needles District, UT	+						
Bracteacoccus pseudominor	BCP-EM3-VF15	Mojave Desert, CA	+	+		+			
Bracteacoccus pseudominor	BCP-MX223-VF8	Baja California, Mexico	+	+	+	+			
Bracteacoccus pseudominor	BCP-MX228-VF26	Baja California, Mexico	+						
Bracteacoccus pseudominor	BCP-MX228-VF27	Baja California, Mexico							
Bracteacoccus pseudominor	BCP-BC4-VF2	Baja California, Mexico	+	+		+			
Bracteacoccus pseudominor Bischoff et Bold	UTEX 1247	Hudspeth Co., TX	+	+	+	+			
Bracteacoccus psuedominor	BCP-CNP1-VF1	Needles District, UT	+			+			
Bracteacoccus sp	UTEX EE 76	Negev Desert, Israel	+	+					
Bracteacoccus sp	UTEX EE 83	Negev Desert, Israel	+	+		+			
Bracteacoccus sp.	UTEX EE 80	Negev Desert, Israel	+	+		+			
Bracteacoccus sp.	UTEX EE 82	Negev Desert, Israel	+	+		+			
Bracteacoccus sp.	UTEX EE 84	Negev Desert, Israel	+			+			
Bracteacoccus sp.	BCP-BC0-17	Baja California, Mexico							
Bracteacoccus sp.	Broady #420	Antarctica	+	U63102	+	+			
Bracteacoccus sp.	Broady #668	Antarctica	+	U63103	+	+			
Bracteacoccus sp.	Broady #686	Antarctica	+	U63104	+	+			

Bracteacoccus sp.	HKN28	Japan	+	U63105	+	+			
Bracteacoccus sp.	TOT-27	Japan	+	+	+	+			
Bracteacoccus sp.	BCP-BC0-26	Baja California, Mexico	+	+					
Bracteacoccus sp.	BCP-BC2-1	Baja California, Mexico	+	AF516676	+	+			
Bracteacoccus sp.	BCP-CC1-VF6	Carlsbad Caverns, NM	+	+					
Bracteacoccus sp.	BCP-CM1-VF13	Clark Mountains, CA	+			+			
Bracteacoccus sp.	BCP-UT8-26	UT	+	AF513376	+	+			
Bracteacoccus sp.	BCP-CNP1-VF10	Needles District, UT	+						
Bracteacoccus sp.	BCP-CNP1-VF11	Needles District, UT	+			+			
Bracteacoccus sp.	BCP-CNP1-VF14	Needles District, UT	+						
Bracteacoccus sp.	BCP-CNP1-VF16	Needles District, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP1-VF2	Needles District, UT	+	AF513378	+				
Bracteacoccus sp.	BCP-CNP1-VF4	Needles District, UT							
Bracteacoccus sp.	BCP-CNP1-VF9	Needles District, UT	+						
Bracteacoccus sp.	BCP-CNP1-VF18	Needles District, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP1-VF19	Needles District, UT							
Bracteacoccus sp.	BCP-CNP1-VF24	Needles District, UT							
Bracteacoccus sp.	BCP-CNP1-VF25	Needles District, UT	+	+	+				
Bracteacoccus sp.	BCP-CNP2-VF1	Needles District, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP2-VF7	Needles District, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP2-VF8	Needles District, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP2-VF9	Needles District, UT							
Bracteacoccus sp.	BCP-CNP2-VF18	Needles District, UT							
Bracteacoccus sp.	BCP-CNP3-VF19	Island-in-the-sky Disctrict, UT							
Bracteacoccus sp.	BCP-CNP3-VF20	Island-in-the-sky Disctrict, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP3-VF22	Island-in-the-sky Disctrict, UT	+	+		+			
Bracteacoccus sp.	BCP-CNP3-VF3	Island-in-the-sky Disctrict, UT							
Bracteacoccus sp.	BCP-H1-VF12	Hurricane, UT	+	+		+			
Bracteacoccus sp.	BCP-H1-VF13	Hurricane, UT	+						
Bracteacoccus sp.	BCP-H1-VF16	Hurricane, UT	+	+		+			
Bracteacoccus sp.	BCP-H1-VF22	Hurricane, UT	+	+		+			
Bracteacoccus sp.	BCP-H1-VF23	Hurricane, UT	+	+	+				
Bracteacoccus sp.	BCP-H1-VF24	Hurricane, UT							
Bracteacoccus sp.	BCP-HAF1-VF24	Holloman Airforce Base, UT	+						
Bracteacoccus sp.	BCP-JT1-VF17	Joshua Tree Nat. Park, CA							
Bracteacoccus sp.	BCP-JT1-VF21	Joshua Tree Nat. Park, CA							
Bracteacoccus sp.	BCP-MX219-VF17	Baja California, Mexico							
Bracteacoccus sp.	BCP-MX228-VF7	Baja California, Mexico	+	+		+			
Bracteacoccus sp.	BCP-NB1-VF8	Natural Bridges, UT							
Bracteacoccus sp.	BCP-NB2-VF12	Natural Bridges, UT							

Bracteacoccus sp.	BCP-NB2-VF14	Natural Bridges, UT	+						
Bracteacoccus sp.	BCP-SEV2-VF10	Sevilleta LTER, NM	+						
Bracteacoccus sp.	BCP-SEV5-VF16	Sevilleta LTER, NM							
Bracteacoccus sp.	BCP-SRS2-VF18	San Rafael Swell, UT	+	AF513375	+				
Bracteacoccus sp.	BCP-SRS2-VF3	San Rafael Swell, UT	+	+		+			
Bracteacoccus sp.	BCP-UT-23-4-4	UT	+	AF513374	+	+			
Bracteacoccus sp.	BCP-ZNP1-VF20	Zion Nat. Park, UT							
Bracteacoccus sp.	BCP-ZNP1-VF22	Zion Nat. Park, UT	+	+	+	+			
Bracteacoccus sp.	BCP-ZNP1-VF23	Zion Nat. Park, UT	+				+		
Bracteacoccus sp.	BCP-ZNP1-VF32	Zion Nat. Park, UT	+	AF513379	+	+			
Bracteacoccus sp.	BCP-ZNP2-VF23	Zion Nat. Park, UT	+	+			+		
Bracteacoccus sp.	BCP-ZNP2-VF29	Zion Nat. Park, UT	+						
Bracteacoccus sp.	BCP-ZNP3-VF5	Zion Nat. Park, UT							
Bracteacoccus sp.	BCP-ZNP1-VF28	Zion Nat. Park, UT	+	+					
Bracteacoccus sp.	BCP-CM3-VF26	Clark Mountains, CA	+	+					
Bracteacoccus sp.	BCP-EM1-VF12	Mojave Desert, CA	+	+					
Bracteacoccus sp.	BCP-EM1-VF25?	Mojave Desert, CA	+	+					
Bracteacoccus sp.	BCP-MX228-VF14	Baja California, Mexico	+	+					
Bracteacoccus sp.	BCP-NB2-VF16	Natural Bridges, UT	+	+					
Bracteacoccus sp.	BCP-BC0-23	Baja California, Mexico							
Bracteacoccus sp.	BCP-H1-VF2	Hurricane, UT							
Bracteacoccus sp.	UTEX 345	Bloomington, IN	+	+	+				
Bracteacoccus sp. (new)	BCP-CC1-VF5A	Carlsbad Caverns, NM	+	+			+		
Bracteacoccus terrestris (Chodat et Kol) Starr	UTEX 58	Switzerland	+	+	+	+			
Brateacoccus pseudominor	BCP-SRS2-VF19	San Rafael Swell, UT	+	+			+		
Brateacoccus pseudominor	BCP-ZNP1-VF8	Zion Nat. Park, UT	+	+					
Bracteacoccus sp.	CAUP-H-3802	Czech Republic	+	+			+		
Bracteacoccus giganteus	SAG-2265 (BIOTA NaOB3)	Namibia	+	+			+		
Bracteacoccus giganteus	SAG-2272 (BIOTA 15052-1)	Namibia	+	+	+	+			
Bracteacoccus sp.	SAG-SO5-1	South Africa	+	+			+		
Bracteacoccus sp.	SAG-2032	Germany	+	+			+		
Bracteacoccus sp.	SAG-N2	Arctic, Svalbard	+	+			+		
Bracteacoccus sp.	SAG-2137	Denmark	+	+	+	+	+	+	
Bracteacoccus sp.	CCALA 694	Ellesmere Island, Canada	+	+			+		
Bracteacoccus sp.	CCALA 222	Romania	+	+	+	+			
Bracteacoccus sp.	CCAP 221-7	Antarctica	+	+			+		
Bracteacoccus irregularis	CCAP 221-8	N/A from culture collection	+	+			+		
Bracteacoccus medionucleatus	CCAP 221-9	Antarctica	+	+					
Pseudomuriella aurantiaca	CCAP 249/1	Basel, Switzerland	+	+	+	+	+		
Bracteacoccus minor v. desertorum	61.80	Negev Desert, Israel	+	+	+	+	+		

Bracteacoccus	WJT4-VFNP33	West Joshua Tree Nat. Park, CA							
Bracteacoccus	WJT4-VFNP36B	West Joshua Tree Nat. Park, CA	+	+		+			
Bracteacoccus	WJT4-VFNP41	West Joshua Tree Nat. Park, CA	+			+			
Bracteacoccus	WJT8-VFNP11	West Joshua Tree Nat. Park, CA	+			+			
Bracteacoccus	WJT8-VFNP19	West Joshua Tree Nat. Park, CA	+	+		+			
Bracteacoccus	WJT9A-VFNP16	West Joshua Tree Nat. Park, CA	+	+		+			
Bracteacoccus	WJT9A-VFNP17	West Joshua Tree Nat. Park, CA				+			
Bracteacoccus	WJT9B-VFNP12	West Joshua Tree Nat. Park, CA	+	+	+	+			
Bracteacoccus	WJT36-VFNP6	West Joshua Tree Nat. Park, CA	+	+		+			
Bracteacoccus	WJT66-VFNP21	West Joshua Tree Nat. Park, CA							
Bracteacoccus	WJT71-VFNP2	West Joshua Tree Nat. Park, CA	+						
Dictyococcus schumacherensis	UTEX2252	Whitman Co., WA	+	+	+	+			
Dictyococcus varians	UTEX LB 62	Glasgow, Scotland	+	+	+	+			
Bracteacoccus	WJT24-VFNP31	West Joshua Tree Nat. Park, CA	+			+			
Bracteacoccus	WJT8-VFNP4	West Joshua Tree Nat. Park, CA	+			+			
Bracteacoccus	WJT9-VFNP13B	West Joshua Tree Nat. Park, CA	+		+	+			
Bracteacoccus	WJT54-VFNP11	West Joshua Tree Nat. Park, CA	+			+			
Bracteacoccus	WJT2-VFNP14	West Joshua Tree Nat. Park, CA	+		+	+	+		
Bracteacoccus	UFS-EUI-NPMV-10B1	Onaqui Mountains, UT	+						
Bracteacoccus	UFS-EPS-NPMV-6C2	Onaqui Mountains, UT	+			+			
Bracteacoccus	WJT60-VFNP17	West Joshua Tree Nat. Park, CA	+			+			
Bracteacoccus	WJT71-VFNP15	West Joshua Tree Nat. Park, CA	+		+	+			
Bracteacoccus	WJT61-VFNP31	West Joshua Tree Nat. Park, CA	+						
cf. Bracteacoccus	CZ-SUM-05-3	Czech Republic	+						
Coenochloris planoconvexa	UTEX2914	Bratislava, Slovakia	+			+			
Planktosphaeria texensis	UTEX1241	Enchanted Rock, TX	+			+			
Planktosphaeria maxima	UTEX1248	Enchanted Rock, TX	+			+			
Planktosphaeria botryoides	UTEX LB 951	N/A from culture collection	+			+			
Coenochloris polycocca	SAG217-1a	Cambridge, UK	+			+			
Coenochloris polycocca	SAG217-1b	Sweden	+			+			
Coenochloris polycocca	SAG217-1c	Cambridge, UK	+						
Planktosphaeria gelatinosa	SAG262-1b	Woods Hole, MA	+			+			
Bracteacoccus sp.	KF1	Brazil	+		+	+			
Bracteacoccus sp.	KF2	Cuba	+		+	+			
Bracteacoccus sp.	KF3	USA	+			+			
Bracteacoccus sp.	KF4	Egypt	+						
Bracteacoccus sp.	KF5	Egypt	+		+	+			
Bracteacoccus sp.	KF6	Egypt	+						

Bracteacoccus sp.	KF7	Etna	+						
Bracteacoccus sp.	KF8	Etna	+						
Bracteacoccus sp.	KF9	Etna	+						
Bracteacoccus sp.	KF10	Etna	+			+			
Bracteacoccus sp.	KF11	Etna	+			+			
Bracteacoccus sp.	KF12	Etna	+						
Bracteacoccus sp.	KF13	Etna	+			+			
Bracteacoccus sp.	KF14	Etna	+						
Bracteacoccus sp.	KF15	Czech Republic	+		+	+			
Bracteacoccus sp.	KF16	Czech Republic	+		+	+			
Bracteacoccus sp.	KF17	Czech Republic	+	+	+	+			
Bracteacoccus sp.	KF18	Czech Republic	+						
Bracteacoccus sp.	KF19	Czech Republic	+						
Bracteacoccus sp.	KF20	Czech Republic	+						
Bracteacoccus sp.	KF21	Czech Republic	+						
Bracteacoccus sp.	KF22	Czech Republic	+			+			
Bracteacoccus sp.	KF23	Czech Republic	+						
Bracteacoccus sp.	KF24	Czech Republic	+						
Bracteacoccus sp.	KF25	Czech Republic	+						
Bracteacoccus sp.	KF26	Abisko	+			+			
Bracteacoccus sp.	KF27	Sweden	+						
Bracteacoccus sp.	KF28	Abisko	+			+			
Bracteacoccus sp.	KF29	Sweden	+			+			
Bracteacoccus sp.	KF30	Sweden	+						
Bracteacoccus sp.	KF31	Sweden	+						
Bracteacoccus sp.	KF32	Sweden	+						
Bracteacoccus sp.	KF33	Sweden	+						
Bracteacoccus sp.	KF34	Abisko	+			+			
Bracteacoccus sp.	KF35	Czech Republic	+			+			
Bracteacoccus sp.	KF36	Czech Republic	+		+	+			
Bracteacoccus sp.	KF37	Czech Republic	+						
Bracteacoccus sp.	KF38	Czech Republic	+						
Bracteacoccus sp.	KF39	Czech Republic	+						
Bracteacoccus sp.	KF40	Czech Republic	+						
Bracteacoccus sp.	KF41	Czech Republic	+						
Bracteacoccus sp.	KF42	Slovakia	+						
Bracteacoccus sp.	KF43	Czech Republic	+		+	+			
Bracteacoccus sp.	KF44	Slovakia	+						
Bracteacoccus sp.	KF45	Czech Republic	+						
Bracteacoccus sp.	KF46	Canada	+						

Bracteacoccus sp.	KF47	Canada	+						
Bracteacoccus sp.	KF48	Canada	+						
Bracteacoccus sp.	KF49	Slovakia	+						
Bracteacoccus sp.	KF50	Slovakia	+						
Bracteacoccus sp.	KF51	Slovakia	+						
Bracteacoccus sp.	KF52	Slovakia	+						
Bracteacoccus sp.	KF53	Slovakia	+						
Bracteacoccus sp.	KF54	Slovakia	+						
Bracteacoccus sp.	KF55	Slovakia	+						
Bracteacoccus sp.	KF56	Germany	+						
Bracteacoccus sp.	KF57	Germany	+						
Bracteacoccus sp.	KF58	Germany	+						
Bracteacoccus sp.	KF59	Germany	+						
Bracteacoccus sp.	KF60	Germany	+						
Bracteacoccus sp.	KF61	Germany	+						
Bracteacoccus sp.	KF62	Germany	+						
Bracteacoccus sp.	KF63	Antarctica	+						
Bracteacoccus sp.	KF64	Antarctica	+						
Bracteacoccus sp.	KF65	Antarctica	+				+		
Bracteacoccus sp.	KF66	Antarctica	+				+		
Bracteacoccus sp.	KF67	Antarctica	+				+		
Bracteacoccus sp.	KF68	Antarctica	+						
Bracteacoccus sp.	KF69	Spitzbergen	+				+		
Bracteacoccus sp.	KF70	Spitzbergen	+						
Bracteacoccus sp.	KF71	Siberia	+						
Bracteacoccus sp.	KF72	Siberia	+				+		
Bracteacoccus sp.	KF73	Siberia	+						
Bracteacoccus sp.	KF74	Siberia	+						
Bracteacoccus sp.	KF75	Siberia	+						
Bracteacoccus sp.	KF76	Czech Republic	+						
Bracteacoccus sp.	KF77	Canada	+						
Bracteacoccus sp.	KF78	Canada	+						
Bracteacoccus sp.	KF79	Canada	+				+	+	
Bracteacoccus sp.	KF80	Canada	+						
Bracteacoccus sp.	KF81	Czech Republic	+						
Bracteacoccus sp.	KF82	Czech Republic	+						
Bracteacoccus sp.	KF83	Czech Republic	+						
Bracteacoccus sp.	KF84	Czech Republic	+						
Bracteacoccus sp.	KF85	Czech Republic	+						
Bracteacoccus sp.	KF86	Czech Republic	+						

Bracteacoccus sp.	KF87	Czech Republic	+						
Bracteacoccus sp.	KF88	Czech Republic	+						

